

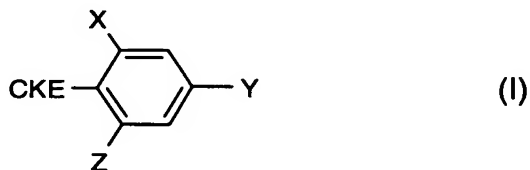
Amendments to the Claims:

This listing of claims will replace all prior versions and listings, of claims in the application:

Listing of Claims:

Please cancel Claims 1-27 and add new Claims 28-40.

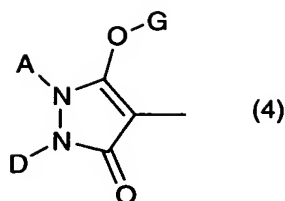
Claim 28. (New) A compound of the formula (I)



in which

- X represents halogen, alkyl, alkoxy, alkenyloxy, alkylthio, alkylsulphinyl, alkylsulphonyl, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, nitro, cyano or in each case optionally substituted phenyl, phenoxy, phenylthio, phenylalkoxy or phenylalkylthio,
- Y represents in each case optionally substituted cycloalkyl, aryl, or hetaryl
- Z represents hydrogen, halogen, alkyl, alkoxy, alkenyloxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, nitro or cyano,

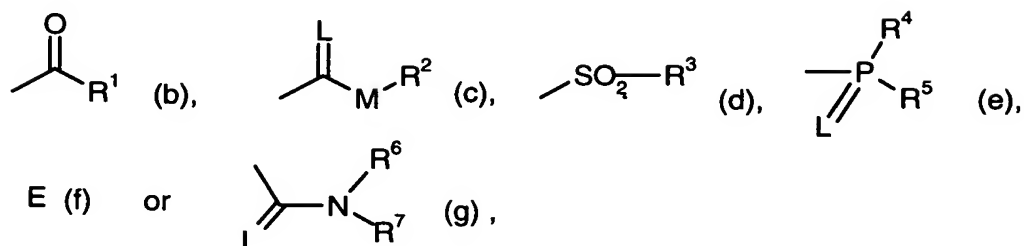
CKE represents



wherein

- A represents hydrogen, in each case optionally halogen-substituted alkyl, alkenyl, alkoxyalkyl, polyalkoxyalkyl, alkylthioalkyl, saturated or unsaturated, optionally substituted cycloalkyl in which optionally at least one ring atom is replaced by a heteroatom, or in each case optionally halogen-, alkyl-, halogenoalkyl-, alkoxy-, halogenoalkoxy-, cyano- or nitro-substituted aryl, arylalkyl or hetaryl,
- D represents hydrogen or an optionally substituted radical selected from the series consisting of alkyl, alkenyl, alkynyl, alkoxyalkyl, polyalkoxyalkyl, alkylthioalkyl, saturated or unsaturated cycloalkyl in which one or more ring members are optionally replaced by heteroatoms, arylalkyl, aryl, hetarylalkyl or hetaryl or
- A and D together with the atoms to which they are attached represent a saturated or unsaturated cycle which is unsubstituted or substituted in the A,D moiety and which optionally contains at least one further heteroatom,

G represents hydrogen (a) or represents one of the groups



in which

E represents a metal ion equivalent or an ammonium ion,

L represents oxygen or sulphur,

M represents oxygen or sulphur,

R¹ represents in each case optionally halogen-substituted alkyl, alkenyl, alkoxyalkyl, alkylthioalkyl, polyalkoxyalkyl or optionally halogen-, alkyl- or alkoxy-substituted cycloalkyl which may be interrupted by at least one heteroatom, in each case optionally substituted phenyl, phenylalkyl, hetaryl, phenoxyalkyl or hetaryloxyalkyl,

R² represents in each case optionally halogen-substituted alkyl, alkenyl, alkoxyalkyl, polyalkoxyalkyl or represents in each case optionally substituted cycloalkyl, phenyl or benzyl,

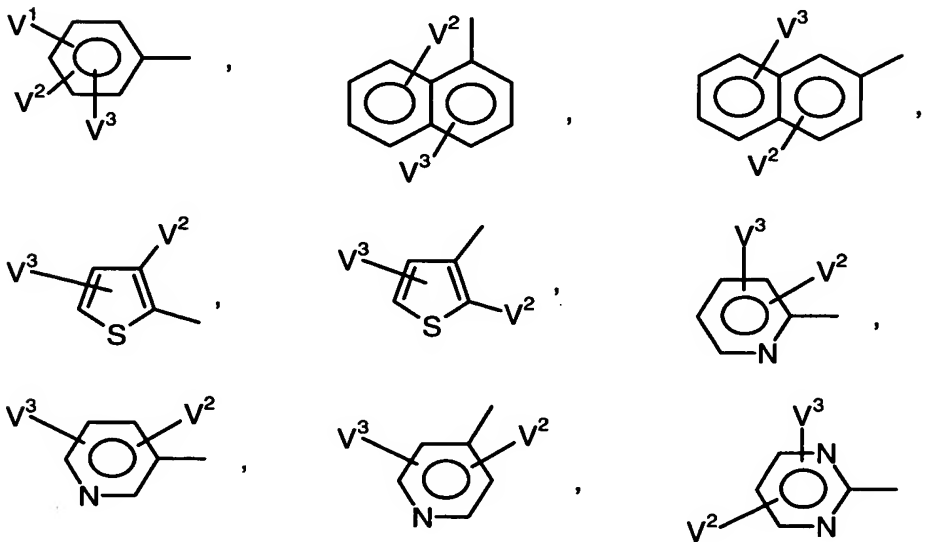
R³, R⁴ and R⁵ independently of one another each represent in each case optionally halogen-substituted alkyl, alkoxy, alkylamino, dialkylamino, alkylthio, alkenylthio, cycloalkylthio and represents optionally substituted phenyl, benzyl, phenoxy or phenylthio,

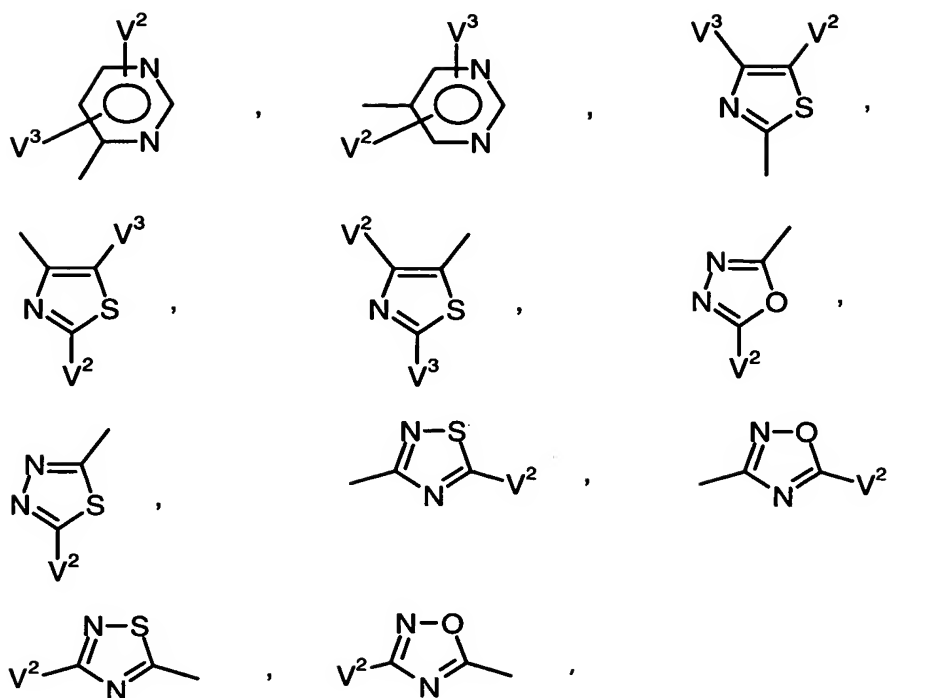
R⁶ and R⁷ independently of one another each represent hydrogen, in each case optionally halogen-substituted alkyl, cycloalkyl, alkenyl, alkoxy, alkoxyalkyl, represent optionally substituted phenyl, represent optionally substituted benzyl, or together with the nitrogen atom to which they are attached represent a cycle which is optionally interrupted by oxygen or sulphur.

Claim 29. (New) A compound of the formula (I) according to Claim 28 wherein

X represents halogen, C₁-C₆-alkyl, C₁-C₆-halogenoalkyl, C₁-C₆-alkoxy, C₃-C₆-alkenyloxy, C₁-C₆-alkylthio, C₁-C₆-alkylsulphinyl, C₁-C₆-alkylsulphonyl, C₁-C₆-halogenoalkoxy, C₃-C₆-halogenoalkenyloxy, nitro, cyano or in each case optionally halogen-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₄-halogenoalkyl-, C₁-C₄-halogenoalkoxy-, nitro- or cyano-substituted phenyl, phenoxy, phenylthio, benzyloxy or benzylthio,

Y represents one of the radicals





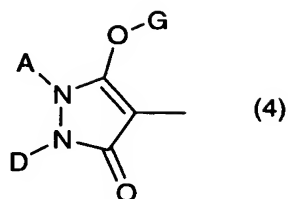
wherein

V¹ represents hydrogen, halogen, C₁-C₁₂-alkyl, C₁-C₆-alkoxy, C₁-C₄-halogenoalkyl, C₁-C₄-halogenoalkoxy, nitro, cyano or phenyl, phenoxy, phenoxy-C₁-C₄-alkyl, phenyl-C₁-C₄-alkoxy, phenylthio-C₁-C₄-alkyl or phenyl-C₁-C₄-alkylthio, each of which is optionally mono- or poly-substituted by halogen, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₄-halogenoalkyl, C₁-C₄-halogenoalkoxy, nitro or cyano,

V² and V³ independently of one another each represent hydrogen, halogen, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₄-halogenoalkyl or C₁-C₄-halogenoalkoxy,

Z represents hydrogen, halogen, C₁-C₆-alkyl, C₁-C₆-halogenoalkyl, C₁-C₆-alkoxy, C₁-C₆-halogenoalkoxy, nitro or cyano,

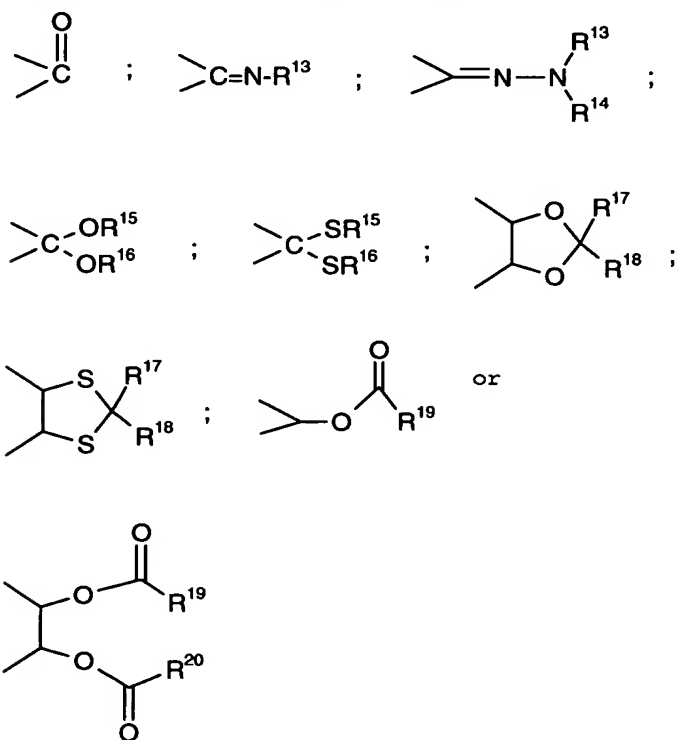
CKE represents



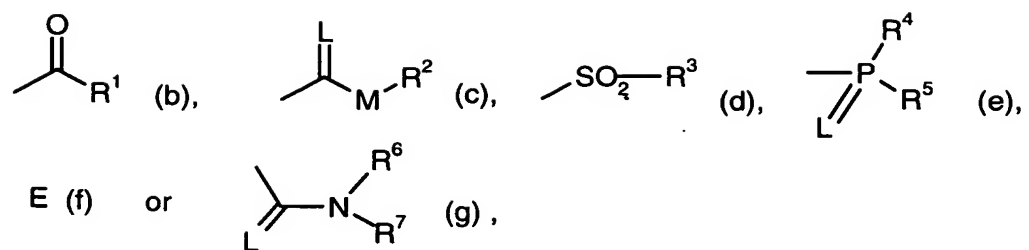
wherein

- A represents hydrogen or in each case optionally halogen-substituted C₁-C₁₂-alkyl, C₃-C₈-alkenyl, C₁-C₁₀-alkoxy-C₁-C₈-alkyl, poly-C₁-C₈-alkoxy-C₁-C₈-alkyl, C₁-C₁₀-alkylthio-C₁-C₆-alkyl, optionally halogen-, C₁-C₆-alkyl- or C₁-C₆-alkoxy-substituted C₃-C₈-cycloalkyl in which optionally one or two not directly adjacent ring members are replaced by oxygen and/or sulphur or represents in each case optionally halogen-, C₁-C₆-alkyl-, C₁-C₆-halogenoalkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkoxy-, cyano- or nitro-substituted C₆- or C₁₀-aryl, hetaryl having 5 to 6 ring atoms or C₆- or C₁₀-aryl-C₁-C₆-alkyl,
- D represents hydrogen, in each case optionally halogen-substituted C₁-C₁₂-alkyl, C₃-C₈-alkenyl, C₃-C₈-alkinyl, C₁-C₁₀-alkoxy-C₂-C₈-alkyl, poly-C₁-C₈-alkoxy-C₂-C₈-alkyl, C₁-C₁₀-alkylthio-C₂-C₈-alkyl, optionally halogen-, C₁-C₄-alkyl-, C₁-C₄-alkoxy- or C₁-C₄-halogenoalkyl-substituted C₃-C₈-cycloalkyl in which optionally one ring member is replaced by oxygen or sulphur or in each case optionally halogen-, C₁-C₆-alkyl-, C₁-C₆-halogenoalkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkoxy-, cyano- or nitro-substituted phenyl, hetaryl having 5 or 6 ring atoms, phenyl-C₁-C₆-alkyl or hetaryl-C₁-C₆-alkyl having 5 or 6 ring atoms, or

A and D together represent in each case optionally substituted C₃-C₆-alkane-diyl or C₃-C₆-alkenediyl in which optionally one methylene group is replaced by oxygen or sulphur, possible substituents in each case being:
 halogen, hydroxyl, mercapto or in each case optionally halogen-substituted C₁-C₁₀-alkyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio, C₃-C₇-cycloalkyl, phenyl or benzyloxy, or a further C₃-C₆-alkanediyl grouping, C₃-C₆-alkenediyl grouping or a butadienyl grouping which is optionally substituted by C₁-C₆-alkyl or in which optionally two adjacent substituents together with the carbon atoms to which they are attached form a further saturated or unsaturated cycle having 5 or 6 ring atoms which cycle may contain oxygen or sulphur, or which may optionally contain one of the groups below



G represents hydrogen (a) or represents one of the groups



in which

E represents a metal ion or an ammonium ion,

L represents oxygen or sulphur and

M represents oxygen or sulphur,

R¹ represents in each case optionally halogen-substituted C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₁-C₈-alkoxy-C₁-C₈-alkyl, C₁-C₈-alkylthio-C₁-C₈-alkyl, poly-C₁-C₈-alkoxy-C₁-C₈-alkyl or optionally halogen-, C₁-C₆-alkyl- or C₁-C₆-alkoxy-substituted C₃-C₈-cycloalkyl in which optionally one or more not directly adjacent ring members are replaced by oxygen and/or sulphur,

represents optionally halogen-, cyano-, nitro-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkyl-, C₁-C₆-halogenoalkoxy-, C₁-C₆-alkylthio- or C₁-C₆-alkylsulphonyl-substituted phenyl,

represents optionally halogen-, nitro-, cyano-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkyl- or C₁-C₆-halogenoalkoxy-substituted phenyl-C₁-C₆-alkyl,

represents optionally halogen- or C₁-C₆-alkyl-substituted 5- or 6-membered hetaryl,

represents optionally halogen- or C₁-C₆-alkyl-substituted phenoxy-C₁-C₆-alkyl or

represents optionally halogen-, amino- or C₁-C₆-alkyl-substituted 5- or 6-membered hetaryloxy-C₁-C₆-alkyl,

R² represents in each case optionally halogen-substituted C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₁-C₈-alkoxy-C₂-C₈-alkyl, poly-C₁-C₈-alkoxy-C₂-C₈-alkyl,

represents optionally halogen-, C₁-C₆-alkyl- or C₁-C₆-alkoxy-substituted C₃-C₈-cycloalkyl or

represents in each case optionally halogen-, cyano-, nitro-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkyl- or C₁-C₆-halogenoalkoxy-substituted phenyl or benzyl,

R³ represents optionally halogen-substituted C₁-C₈-alkyl or represents in each case optionally halogen-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₄-halogenoalkyl-, C₁-C₄-halogenoalkoxy-, cyano- or nitro-substituted phenyl or benzyl,

R⁴ and R⁵ independently of one another each represent in each case optionally halogen-substituted C₁-C₈-alkyl, C₁-C₈-alkoxy, C₁-C₈-alkylamino, di-(C₁-C₈-alkyl)amino, C₁-C₈-alkylthio, C₂-C₈-alkenylthio,

C₃-C₇-cycloalkylthio or represent in each case optionally halogen-, nitro-, cyano-, C₁-C₄-alkoxy-, C₁-C₄-halogenoalkoxy-, C₁-C₄-alkylthio-, C₁-C₄-halogenoalkylthio-, C₁-C₄-alkyl- or C₁-C₄-halogenoalkyl-substituted phenyl, phenoxy or phenylthio,

R⁶ and R⁷ independently of one another each represent hydrogen, represent in each case optionally halogen-substituted C₁-C₈-alkyl, C₃-C₈-cycloalkyl, C₁-C₈-alkoxy, C₃-C₈-alkenyl, C₁-C₈-alkoxy-C₁-C₈-alkyl, represent optionally halogen-, C₁-C₈-halogenoalkyl-, C₁-C₈-alkyl- or C₁-C₈-alkoxy-substituted phenyl, optionally halogen-, C₁-C₈-alkyl-, C₁-C₈-halogenoalkyl- or C₁-C₈-alkoxy-substituted benzyl or together represent an optionally C₁-C₄-alkyl-substituted C₃-C₆-alkylene radical in which optionally one carbon atom is replaced by oxygen or sulphur,

R¹³ represents hydrogen, represents in each case optionally halogen-substituted C₁-C₈-alkyl or C₁-C₈-alkoxy, represents optionally halogen-, C₁-C₄-alkyl- or C₁-C₄-alkoxy-substituted C₃-C₈-cycloalkyl in which optionally one methylene group is replaced by oxygen or sulphur, or represents in each case optionally halogen-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₄-halogenoalkyl-, C₁-C₄-halogenoalkoxy-, nitro- or cyano-substituted phenyl, phenyl-C₁-C₄-alkyl or phenyl-C₁-C₄-alkoxy,

R¹⁴ represents hydrogen or C₁-C₈-alkyl, or

R¹³ and R¹⁴ together represent C₄-C₆-alkanediyl,

R¹⁵ and R¹⁶ are identical or different and each represent C₁-C₆-alkyl, or

R¹⁵ and R¹⁶ together represent a C₂-C₄-alkanediyl radical which is optionally substituted by C₁-C₆-alkyl, C₁-C₆-halogenoalkyl or by optionally halogen-, C₁-C₆-alkyl-, C₁-C₄-halogenoalkyl-, C₁-C₆-alkoxy-, C₁-C₄-halogenoalkoxy-, nitro- or cyano-substituted phenyl,

R¹⁷ and R¹⁸ independently of one another each represent hydrogen, represent optionally halogen-substituted C₁-C₈-alkyl or represent optionally halogen-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₄-halogenoalkyl-, C₁-C₄-halogenoalkoxy-, nitro- or cyano-substituted phenyl, or

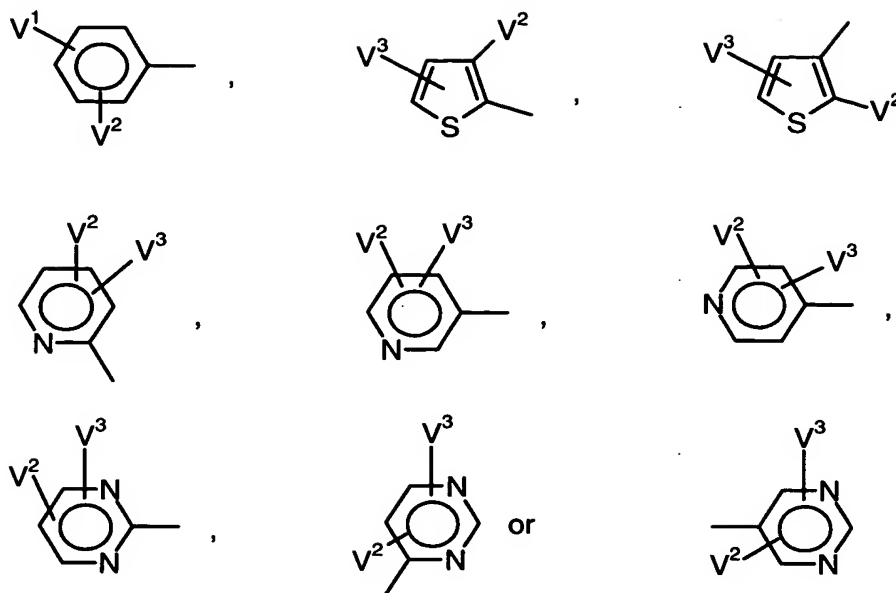
R¹⁷ and R¹⁸ together with the carbon atom to which they are attached represent a carbonyl group or represent optionally halogen-, C₁-C₄-alkyl- or C₁-C₄-alkoxy-substituted C₅-C₇-cycloalkyl in which optionally one methylene group is replaced by oxygen or sulphur and

R¹⁹ and R²⁰ independently of one another each represent C₁-C₁₀-alkyl, C₂-C₁₀-alkenyl, C₁-C₁₀-alkoxy, C₁-C₁₀-alkylamino, C₃-C₁₀-alkenylamino, di-(C₁-C₁₀-alkyl)amino or di-(C₃-C₁₀-alkenyl)amino.

30. (New) A compound of the formula (I) according to Claim 28 wherein

X represents fluorine, chlorine, bromine, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₃-C₄-alkenyloxy, C₁-C₄-halogenoalkyl, C₁-C₄-halogenoalkoxy, C₃-C₄-halogenoalkenyloxy, nitro or cyano,

Y represents



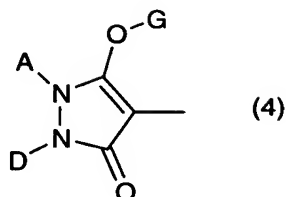
wherein

V¹ represents hydrogen, fluorine, chlorine, bromine, C₁-C₆-alkyl, C₁-C₄-alkoxy, C₁-C₂-halogenoalkyl, C₁-C₂-halogenoalkoxy, nitro, cyano or phenyl, phenoxy, phenoxy-C₁-C₂-alkyl, phenyl-C₁-C₂-alkoxy, phenylthio-C₁-C₂-alkyl or phenyl-C₁-C₂-alkylthio, each of which is optionally mono- or disubstituted by fluorine, chlorine, bromine, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₂-halogenoalkyl, C₁-C₂-halogenoalkoxy, nitro or cyano,

V² and V³ independently of one another represents hydrogen, fluorine, chlorine, bromine, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₂-halogenoalkyl or C₁-C₂-halogenoalkoxy,

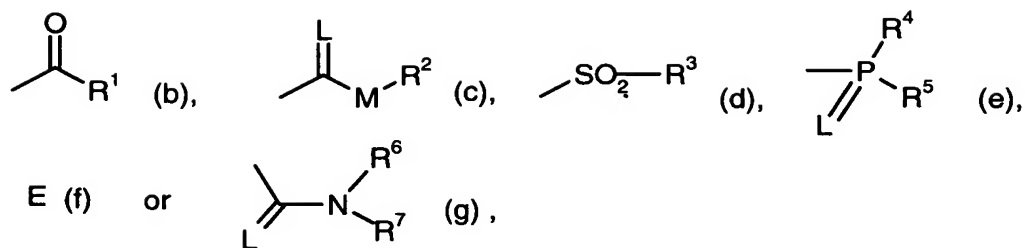
Z represents hydrogen, fluorine, chlorine, bromine, C₁-C₄-alkyl, C₁-C₄-halogenoalkyl, C₁-C₄-alkoxy or C₁-C₄-halogenoalkoxy,

CKE represents



wherein

- A represents hydrogen, in each case optionally fluorine- or chlorine-substituted C₁-C₁₀-alkyl, C₁-C₈-alkoxy-C₁-C₆-alkyl, optionally fluorine-, chlorine-, C₁-C₄-alkyl- or C₁-C₄-alkoxy-substituted C₃-C₇-cycloalkyl in which optionally one ring member is replaced by oxygen or sulphur or in each case optionally fluorine-, chlorine-, bromine-, C₁-C₄-alkyl-, C₁-C₄-halogenoalkyl-, C₁-C₄-alkoxy- or C₁-C₄-halogenoalkoxy-substituted phenyl, furanyl, pyridyl, imidazolyl, triazolyl, pyrazolyl, pyrimidyl, thiazolyl, thienyl or phenyl-C₁-C₄-alkyl,
- D represents hydrogen, represents in each case optionally substituted C₁-C₁₀-alkyl, or substituted C₃-C₇-cycloalkyl in which optionally one methylene group is replaced by oxygen or sulphur.
- A and D together represent optionally substituted C₃-C₅-alkanediyl in which one methylene group may be replaced by a carbonyl group, oxygen or sulphur, possible substituents being hydroxyl, C₁-C₆-alkyl or C₁-C₄-alkoxy,
- G represents hydrogen (a) or represents one of the groups



in which

E represents a metal ion or an ammonium ion,

L represents oxygen or sulphur and

M represents oxygen or sulphur,

R¹ represents in each case optionally fluorine- or chlorine-substituted C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl, poly-C₁-C₆-alkoxy-C₁-C₆-alkyl or optionally fluorine-, chlorine-, C₁-C₅-alkyl- or C₁-C₅-alkoxy-substituted C₃-C₇-cycloalkyl in which optionally one or two not directly adjacent ring members are replaced by oxygen and/or sulphur,

represents optionally fluorine-, chlorine-, bromine-, cyano-, nitro-, C₁-C₄-alkyl-, C₁-C₄-alkoxy-, C₁-C₃-halogenoalkyl-, C₁-C₃-halogenoalkoxy-, C₁-C₄-alkylthio- or C₁-C₄-alkylsulphonyl-substituted phenyl,

represents optionally fluorine-, chlorine-, bromine-, C₁-C₄-alkyl-, C₁-C₄-alkoxy-, C₁-C₃-halogenoalkyl- or C₁-C₃-halogenoalkoxy-substituted phenyl-C₁-C₄-alkyl,

represents in each case optionally fluorine-, chlorine-, bromine- or C₁-C₄-alkyl-substituted pyrazolyl, thiazolyl, pyridyl, pyrimidyl, furanyl or thienyl,

represents optionally fluorine-, chlorine-, bromine- or C₁-C₄-alkyl-substituted phenoxy-C₁-C₃-alkyl or

represents in each case optionally fluorine-, chlorine-, bromine-, amino- or C₁-C₄-alkyl-substituted pyridyloxy-C₁-C₃-alkyl, pyrimidyloxy-C₁-C₃-alkyl or thiazolyloxy-C₁-C₃-alkyl,

R² represents in each case optionally fluorine-substituted C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₁-C₆-alkoxy-C₂-C₆-alkyl or poly-C₁-C₆-alkoxy-C₂-C₆-alkyl,

represents optionally fluorine-, chlorine-, C₁-C₄-alkyl- or C₁-C₄-alkoxy-substituted C₃-C₇-cycloalkyl or

represents in each case optionally fluorine-, chlorine-, bromine-, cyano-, nitro-, C₁-C₄-alkyl-, C₁-C₃-alkoxy-, C₁-C₃-halogenoalkyl- or C₁-C₃-halogenoalkoxy-substituted phenyl or benzyl,

R³ represents optionally fluorine-substituted C₁-C₆-alkyl or represents in each case optionally fluorine-, chlorine-, bromine-, C₁-C₄-alkyl-, C₁-C₄-alkoxy-, C₁-C₃-halogenoalkyl-, C₁-C₃-halogenoalkoxy-, cyano- or nitro-substituted phenyl or benzyl,

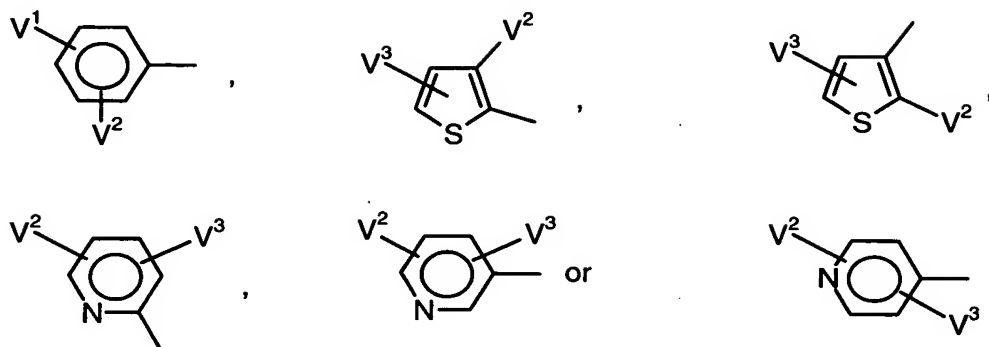
R⁴ and R⁵ independently of one another each represent C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-alkylamino, di-(C₁-C₆-alkyl)amino, C₁-C₆-alkylthio, C₃-C₄-alkenylthio, C₃-C₆-cycloalkylthio or represent in each case optionally fluorine-, chlorine-, bromine-, nitro-, cyano-, C₁-C₃-alkoxy-, C₁-C₃-halogenoalkoxy-, C₁-C₃-alkylthio-, C₁-C₃-halogenoalkylthio-, C₁-C₃-alkyl- or C₁-C₃-halogenoalkyl-substituted phenyl, phenoxy or phenylthio, and

R⁶ and R⁷ independently of one another each represent hydrogen, C₁-C₆-alkyl, C₃-C₆-cycloalkyl, C₁-C₆-alkoxy, C₃-C₆-alkenyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, represent optionally fluorine-, chlorine-, bromine-, C₁-C₃-halogenoalkyl-, C₁-C₄-alkyl- or C₁-C₄-alkoxy-substituted phenyl, represent optionally fluorine-, chlorine-, bromine-, C₁-C₄-alkyl-, C₁-C₃-halogenoalkyl- or C₁-C₄-alkoxy-substituted benzyl, or together represent an optionally methyl- or ethyl-substituted C₄-C₅-alkylene radical in which optionally one methylene group is replaced by oxygen or sulphur.

31. (New) A compound of the formula (I) according to Claim 28 wherein

X represents fluorine, chlorine, methyl, ethyl, propyl, iso-propyl, methoxy, ethoxy, propoxy, iso-propoxy, trifluoromethyl, difluoromethoxy, trifluoromethoxy, nitro or cyano,

Y represents



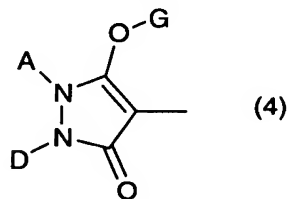
wherein

V¹ represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl, n-propyl, iso-propyl, n-butyl, iso-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, iso-propoxy, trifluoromethyl, trifluoromethoxy, nitro, cyano or phenyl,

V² and V³ independently of one another each represents hydrogen, fluorine, chlorine, methyl, ethyl, n-propyl, iso-propyl, methoxy, ethoxy, trifluoromethyl or trifluoromethoxy,

Z represents hydrogen, fluorine, chlorine, methyl, ethyl, n-propyl, methoxy, ethoxy or n-propoxy,

CKE represents



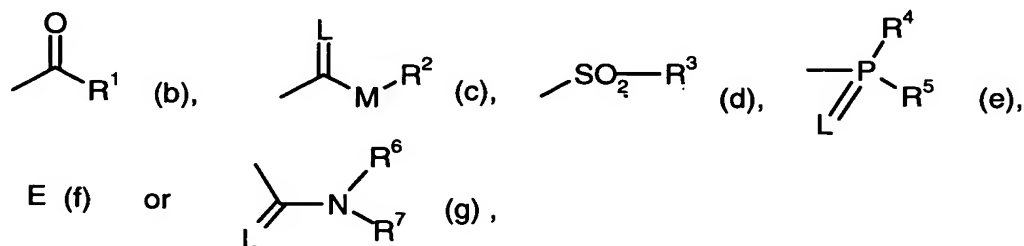
wherein

- A represents hydrogen, in each case optionally fluorine-substituted C₁-C₈-alkyl or C₁-C₆-alkoxy-C₁-C₄-alkyl, optionally fluorine-, methyl-, ethyl- or methoxy-substituted C₃-C₆-cycloalkyl in which optionally one ring member is replaced by oxygen or sulphur or represents in each case optionally fluorine-, chlorine-, bromine-, methyl-, ethyl-, n-propyl-, iso-propyl-, methoxy-, ethoxy-, trifluoromethyl-, trifluoromethoxy-, cyano- or nitro-substituted phenyl or benzyl,
- D represents hydrogen, represents in each case optionally fluorine- or chlorine-substituted C₁-C₈-alkyl, C₃-C₄-alkenyl, C₁-C₆-alkoxy-C₂-C₄-alkyl, C₁-C₄-alkylthio-C₂-C₄-alkyl or C₃-C₆-cycloalkyl in which optionally one methylene group is replaced by oxygen or sulphur or (but not in the case of the compounds of the formulae (I-1) and (I-4)) represents in each case optionally fluorine-, chlorine-, methyl-, ethyl-, n-propyl-, iso-propyl-, methoxy-, ethoxy-, trifluoromethyl- or trifluoromethoxy-substituted phenyl, furanyl, pyridyl, thienyl or benzyl,

or

A and D together represent optionally substituted C₃-C₄-alkanediyl in which optionally one carbon atom is replaced by sulphur and which is optionally substituted by hydroxyl, methyl, ethyl, methoxy or ethoxy,

G represents hydrogen (a) or represents one of the groups



in which

- E represents a metal ion or an ammonium ion,
- L represents oxygen or sulphur and
- M represents oxygen or sulphur,
- R¹ represents in each case optionally fluorine- or chlorine-substituted C₁-C₁₄-alkyl, C₂-C₁₄-alkenyl, C₁-C₄-alkoxy-C₁-C₆-alkyl, C₁-C₄-alkylthio-C₁-C₆-alkyl, poly-C₁-C₄-alkoxy-C₁-C₄-alkyl or optionally fluorine-, chlorine-, methyl-, ethyl-, n-propyl-, i-propyl-, n-butyl-, i-butyl-, tert-butyl-, methoxy-, ethoxy-, n-propoxy- or iso-propoxy-substituted C₃-C₆-cycloalkyl in which optionally one or two not directly adjacent ring members are replaced by oxygen and/or sulphur,
- represents optionally fluorine-, chlorine-, bromine-, cyano-, nitro-, methyl-, ethyl-, n-propyl-, i-propyl-, methoxy-, ethoxy-, trifluoromethyl-, trifluoromethoxy-, methylthio-, ethylthio-, methylsulphonyl- or ethylsulphonyl-substituted phenyl,
- represents optionally fluorine-, chlorine-, bromine-, methyl-, ethyl-, n-propyl-, i-propyl-, methoxy-, ethoxy-, trifluoromethyl- or trifluoromethoxy-substituted benzyl,
- represents in each case optionally fluorine-, chlorine-, bromine-, methyl- or ethyl-substituted furanyl, thienyl, pyridyl, pyrimidyl, thiazolyl or pyrazolyl,
- represents optionally fluorine-, chlorine-, methyl- or ethyl-substituted phenoxy-C₁-C₂-alkyl or

represents in each case optionally fluorine-, chlorine-, amino-, methyl- or ethyl-substituted pyridyloxy-C₁-C₂-alkyl, pyrimidyloxy-C₁-C₂-alkyl or thiazolyloxy-C₁-C₂-alkyl,

R² represents in each case optionally fluorine-substituted C₁-C₁₄-alkyl, C₂-C₁₄-alkenyl, C₁-C₄-alkoxy-C₂-C₆-alkyl or poly-C₁-C₄-alkoxy-C₂-C₆-alkyl,

represents optionally fluorine-, chlorine-, methyl-, ethyl-, n-propyl-, isopropyl- or methoxy-substituted C₃-C₆-cycloalkyl,

or represents in each case optionally fluorine-, chlorine-, cyano-, nitro-, methyl-, ethyl-, n-propyl-, i-propyl-, methoxy-, ethoxy-, trifluoromethyl- or trifluoromethoxy-substituted phenyl or benzyl,

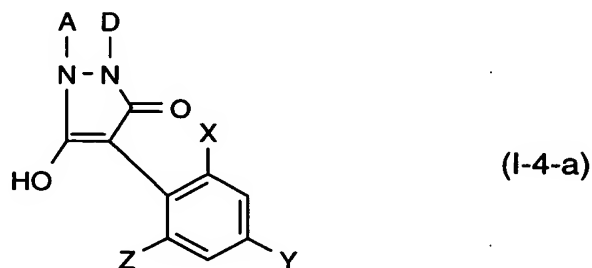
R³ represents in each case optionally fluorine-substituted methyl, ethyl, n-propyl, isopropyl or in each case optionally fluorine-, chlorine-, bromine-, methyl-, tert-butyl-, methoxy-, trifluoromethyl-, trifluoromethoxy-, cyano- or nitro-substituted phenyl or benzyl,

R⁴ and R⁵ independently of one another each represent C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-alkylamino, di-(C₁-C₄-alkyl)amino, C₁-C₄-alkylthio or represent in each case optionally fluorine-, chlorine-, bromine-, nitro-, cyano-, C₁-C₂-alkoxy-, C₁-C₂-fluoroalkoxy-, C₁-C₂-alkylthio-, C₁-C₂-fluoroalkylthio- or C₁-C₃-alkyl-substituted phenyl, phenoxy or phenylthio, and

R⁶ and R⁷ independently of one another each represent hydrogen, represent C₁-C₄-alkyl, C₃-C₆-cycloalkyl, C₁-C₄-alkoxy, C₃-C₄-alkenyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, represent optionally fluorine-, chlorine-, bromine-, trifluoromethyl-, methyl- or methoxy-substituted phenyl, represent optionally fluorine-, chlorine-, bromine-, methyl-, trifluoromethyl- or methoxy-substituted benzyl, or together represent a C₅-C₆-alkylene radical in which optionally one methylene group is replaced by oxygen or sulphur.

32. (New) A process for preparing a compound of the formula (I) according to Claim 28, comprising

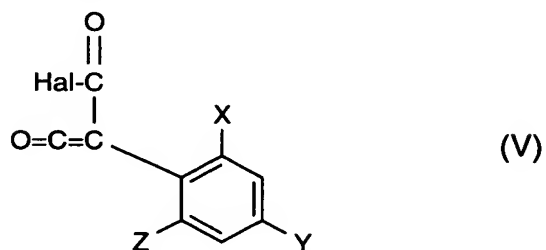
(D) when said compound of the formula (I) is a compound of the formula (I-4-a)



in which

A, D, X, Y and Z are each as defined in Claim 28,
reacting

(Dα) halogenocarbonyl ketenes of the formula (V)



in which

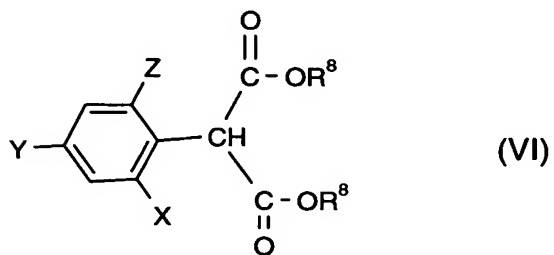
X, Y and Z are each as defined above

and

Hal represents halogen,

or by

(Dβ) reacting a malonic acid derivative of the formula (VI)



in which

R⁸ represents alkyl,

X, Y and Z are each as defined above,

with a hydrazine of the formula (VII)



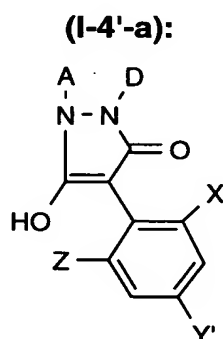
in which

A and D are each as defined above,

optionally in the presence of a diluent and optionally in the presence of a base,

or

(I) when said compound of the formula (I) is a compound of the formula (I-4-a) defined above, reacting a compound of the formula (I-4'-a),

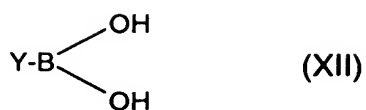


in which

A, D, X and Z are each as defined above and

Y' represents chlorine, bromine or iodine

with a boronic acid of the formula (XII)



in which

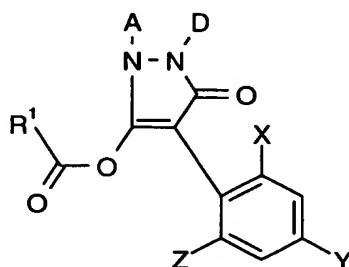
Y is as defined above,

in the presence of a solvent, a base and a catalyst,

or

(J) when said compound of the formula (I) is a compound of the formula (I-4-b)

(I-4-b):



in which A, D, R¹, X, Y and Z are each as defined in Claim 28,

(Jα) reacting a compound of the formula (I-4-a) above in which A, D, X, Y and Z are each as defined above with an acyl halide of the formula (XIII)



in which

R¹ is as defined above and

Hal represents halogen

or

- (JB) reacting a compound of the formula (I-4-a) above in which A, D, X Y and Z are each as defined above with a carboxylic anhydride of the formula (XIV)



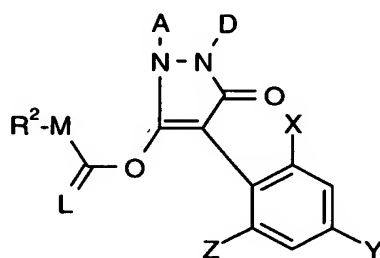
in which

R¹ is as defined above,

optionally in the presence of a diluent and optionally in the presence of an acid binder, or

- (K) when said compound of the formula (I) is a compound of the formula (I-4-c)

(I-4-c):



in which A, D, R², M, X, Y and Z are each as defined in Claim 28 and L represents oxygen,

reacting a compound of the formula (I-4-a) above in which A, D, X Y and Z are each as defined above with a chloroformic ester or a chloroformic thioester of the formula (XV)



in which

R^2 and M are each as defined above,

optionally in the presence of a diluent and optionally in the presence of an acid binder, or

- (L) when the compound of the formula (I) is a compound of the formula (I-4-c) defined above in which A, D, R^2 , M, X, Y and Z are each as defined above and L represents sulphur,

reacting a compound of the formula (I-4-a) defined above in which A, D, X, Y and Z are each as defined above with a chloromonothioformic ester or a chlorodithioformic ester of the formula (XVI)



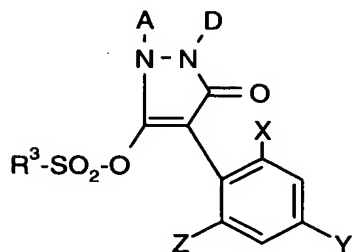
in which

M and R^2 are each as defined above,

optionally in the presence of a diluent and optionally in the presence of an acid binder, or

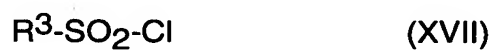
(M) when the compound of the formula (I) is a compound of the formula (I-4-d)

(I-4-d):



in which A, D, R³, X, Y and Z are each as defined in Claim 28,

reacting a compound of the formula (I-4-a) defined above in which A, D, X, Y and Z are each as defined above with a sulphonyl chloride of the formula (XVII)



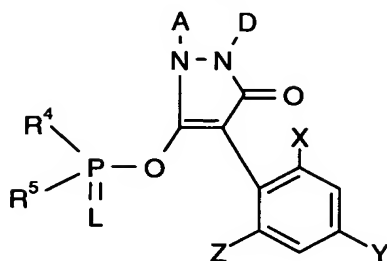
in which

R³ is as defined above,

optionally in the presence of a diluent and optionally in the presence of an acid binder, or

(N) when the compound of the formula (I) is a compound of the formula (I-4-e)

(I-4-e):



in which A, D, L, R⁴, R⁵, X, Y and Z are each as defined in Claim 28,

reacting a compound of the formula (I-4-a) defined above in which A, D, X, Y and Z are each as defined above with a phosphorus compound of the formula (XVIII)



in which

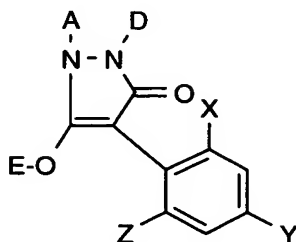
L, R⁴ and R⁵ are each as defined above and

Hal represents halogen,

optionally in the presence of a diluent and optionally in the presence of an acid binder, or

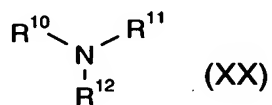
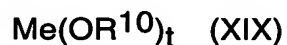
(O) when the compound of the formula (I) is a compound of the formula (I-4-f)

(I-4-f):



in which A, D, E, X, Y and Z are each as defined in Claim 28,

reacting a compound of the formula (I-4-a) defined above in which A, D, X, Y and Z are each as defined above with a with metal compound or amine of the formulae (XIX) or (XX)



in which

Me represents a mono- or divalent metal,

t represents the number 1 or 2 and

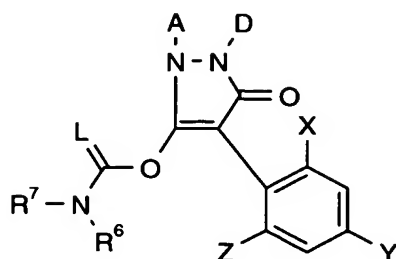
R^{10} , R^{11} , R^{12} independently of one another each represent hydrogen or alkyl,

optionally in the presence of a diluent,

or

(P) when the compound of the formula (I) is a compound of the formula (I-4-g)

(I-4-g):



wherein A, D, L, R⁶, R⁷, X, Y and Z are each as defined in Claim 28,

(Pα) reacting a compound of the formula (I-4-a) defined above in which A, D, X, Y and Z are each as defined above with an isocyanate or an isothiocyanate of the formula (XXI)



in which

R⁶ and L are each as defined above,

optionally in the presence of a diluent and optionally in the presence of a catalyst,

or

(PB) reacting a compound of the formula (I-4-a) defined above in which A, D, X, Y and Z are each as defined above with a carbamoyl chloride or thiocarbamoyl chloride of the formula (XXII)



in which

L, R⁶ and R⁷ are each as defined above,

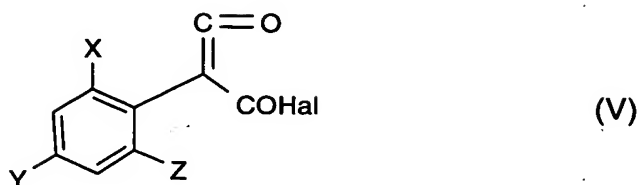
optionally in the presence of a diluent and optionally in the presence of an acid binder.

33. (New) A pesticide and/or herbicide, comprising at least one compound of the formula (I) according to Claim 28.

34. (New) A method for controlling pests comprising the step of applying an effective amount of a compound of the formula (I) according to Claim 28 to a member selected from the group consisting of said pests, a habitat for said pests, and combinations thereof.

35. (New) A method for preparing a pesticide and/or a herbicide, comprising the step of mixing a compound of the formula (I) according to Claim 28 with a member selected from the group consisting of an extender, a surfactant and combinations thereof.

36. (New) A compound of the formula (V)

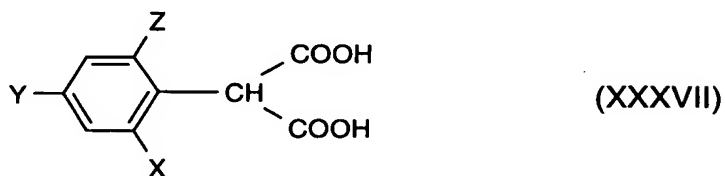


in which

X, Y and Z are each as defined in Claim 28 and

Hal represents chlorine or bromine.

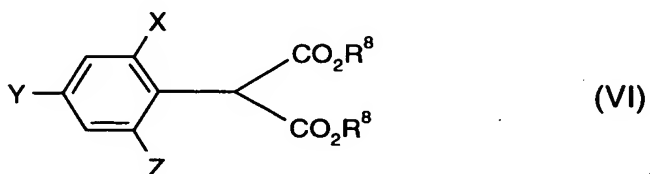
Claim 37. (New) A compound of the formula (XXXVII)



in which

X, Y and Z are each as defined in Claim 28.

Claim 38. (New) A compound of the formula (VI)

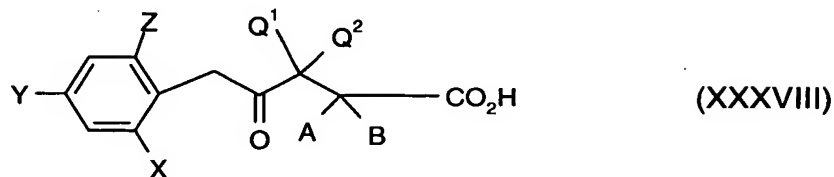


in which

X, Y and Z are each as defined in Claim 28 and

R⁸ represents alkyl.

Claim 39. (New) A compound of the formula (XXXVIII)



in which

X, Y, Z, and A are each as defined in Claim 28, and

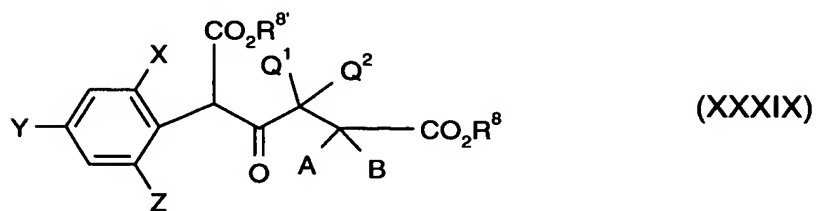
B represents hydrogen, alkyl or alkoxyalkyl, or

A and B together with the carbon atom to which they are attached represent a saturated or unsaturated unsubstituted or substituted cycle which optionally contains at least one heteroatom,

Q¹ or Q² each represents hydrogen or alkyl, or

A and Q¹ together represent alkanediyl or alkenediyl, each of which is optionally substituted by in each case optionally substituted alkyl, hydroxyl, alkoxy, alkylthio, cycloalkyl, benzyloxy or aryl.

Claim 40. (New) A compound of the formula (XXXIX)



in which

A, X, Y and Z are each as defined in Claim 28 and

R^8 and $R^{8'}$ each represent alkyl, and

B represents hydrogen, alkyl or alkoxyalkyl, or

A and B together with the carbon atom to which they are attached represent a saturated or unsaturated unsubstituted or substituted cycle which optionally contains at least one heteroatom,

Q^1 or Q^2 each represents hydrogen or alkyl, or

A and Q^1 together represent alkanediyl or alkenediyl, each of which is optionally substituted by in each case optionally substituted alkyl, hydroxyl, alkoxy, alkylthio, cycloalkyl, benzyloxy or aryl.